

From Sherman by
phone 6/28

Weight of things

1st 40 lb Run 2 1.0016 gms

1st 47 lb Run 3 1.222 gms

Last 20 lb Run 5.5975 gms

gas vrl 18,200 CFM @ 130° F 1st 47 lb Run

29,700 CFM @ 300° F

Laps per run

1st pt of Run 2 78.5 # .7192 / #³ SCF

1st pt of Run 3 98 # .89 gr SCF

1st pt " 3 177 # 2.9 gr SCF

Exp - Over to 46,000 #
metal alloy 1320 #

monozite ore dry

6430 tons

9400 # metal Canada

1300 #

THNO₃ UK + ↑

Woodwick
- 25% air b3

Dec 31/63

Defense Dept
JAN

Th Jan

848,354 #

8,620,525 # TAN₂

SUNX RENT CCC STOPPER

1st part of run 47 min @ 18,200 cfm = 855,400 ft³

sample contained 1 gm in 27 ft³ = 0.037 gm/ft³

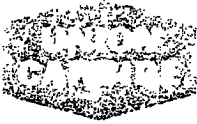
Th = 0.41% so Th in gm/ft³ = 0.0001517

2nd part of run 21 min @ 29,700 cfm = 623,700 ft³

Sample contained 5.597 gm in 41 ft³ = 0.1365 gm/ft³

Th = 0.06% so Th in gm/ft³ = 0.0000819

Total Th in gm/ft³ = 2.3×10^{-4}



UNION CARBIDE CORPORATION

OLEFINS DIVISION

P.O. BOX 1116, 137-47TH STREET, NIAGARA FALLS, NEW YORK

August 3, 1966

Dr. Morris Kleinfeld, Director
State of New York
Department of Labor
Division of Industrial Hygiene
80 Centre Street
New York, New York 10013

Dear Dr. Kleinfeld:

Subject: New York State Radioactive Material
License No. 950-0139

I wish to thank you for the permission to store the increased quantity of
thorium bearing material which was granted in your letter of July 27, 1966.

We have no intention of disposing or processing this material until our
dust collector has been approved by the Engineering Section of the State Department
of Labor. We had thought that the collector would be ready for testing this week,
however, a trial heat on non radioactive material showed that the fume collection
during tapping was inadequate and we have asked our engineering department to re-
design this portion.

As soon as the redesign and construction have been completed we will notify
Dr. Rosso and request approval of the installation.

Very truly yours,

A. H. Soeder

A. H. Soeder/W

cc Dr. Dudley A. Hill

Dr. A. Rosso

cc Messrs. P.J. Sitzenstatler

R.D. Simmons

E.W. Schustik

P. McDaniel + L. LaFrance ✓

J.H. Smallridge

R.L. Folkman

H.B. Parfet

F.V. McMillen

E. Bond

UCCNHT0003792

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL HYGIENE

80 CENTRE STREET
NEW YORK, N. Y. 10013

July 27, 1966

ADDRESS REPLY TO

Radiological Health Unit

Union Carbide Corporation
Olefins Division
P. O. Box 66
137 47th Street
Niagara Falls, N.Y.

REFER TO LR 0139
COL #2436

Att: Mr. A. H. Soeder

Gentlemen:

This refers to your letter of July 20, 1966 in which you request that your Radioactive Materials License No. 950-0139 be amended to permit you to possess at any one time 6000 pounds of Thorium material.

Yesterday we were notified by our Engineering Section that a conditional approval was granted for the exhaust system involved. This approval was granted based on your license limitation of 625 pounds of Thorium material. In view of the increased quantity you desire to process on a monthly basis, the Engineering Section will contact you and dispose of the matter accordingly.

As reported, the slag generated from your evaluation is a lime alumina slag containing 2% of the O₂ and the ore used to slag ratio generated is about 1 to 1. Please let us know of any current changes in this evaluation and the maximum quantity of slag proposed for burial at your site.

You are being advised that an amendment to your license can not be granted at this time, and that no further action can be taken by us until we have received assurance from the Engineering Section that the exhaust system is approved for use and from the State Department of Health that the burial of the increased quantity of slag is authorized.

You are permitted to continue with the process involving the Thorium material as authorized in Amendment No. 1 of your license.

UCCNHT0003793

Temporary permission is granted for the storage only of the increased quantity of Thorium material you now possess, plus the two shipments of Brazilian Columbite Ores as outlined in your letter of July 20, 1966. Your attention is directed to Provision 38-9 of Industrial Code Rule No. 38 which states in part that no licensee shall transfer, receive, possess or use any licensed agreement material otherwise than in accordance with the terms of his license. You are required, therefore, to fully comply with the terms of your license.

Very truly yours,

Morris Kleinfeld, M.D.

Morris Kleinfeld, M.D.
Director

/RES

JAM/v

cc R. Vessels
S. Davies
Dr. A. Rosso
J. Baliff